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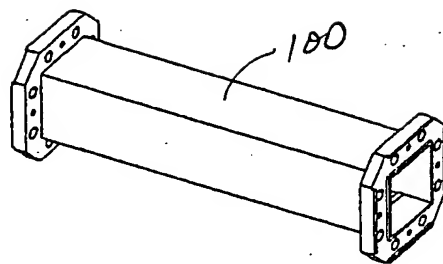


Fig. 1a
(Prior Art)

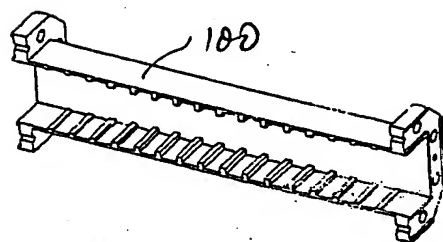


Fig. 1b
(Prior Art)

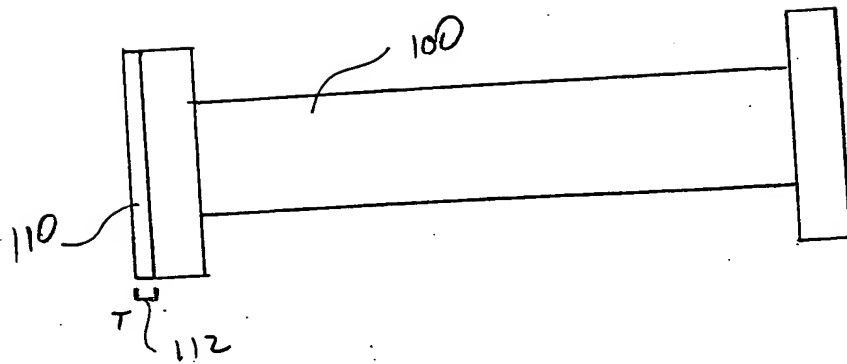


Fig. 2

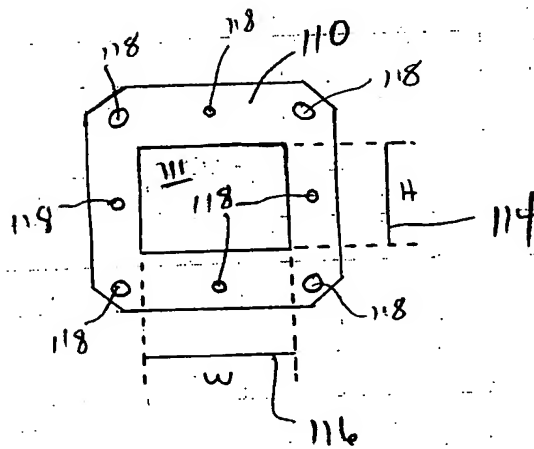


Fig. 3

ETM-1 Measured Tx band (as built)

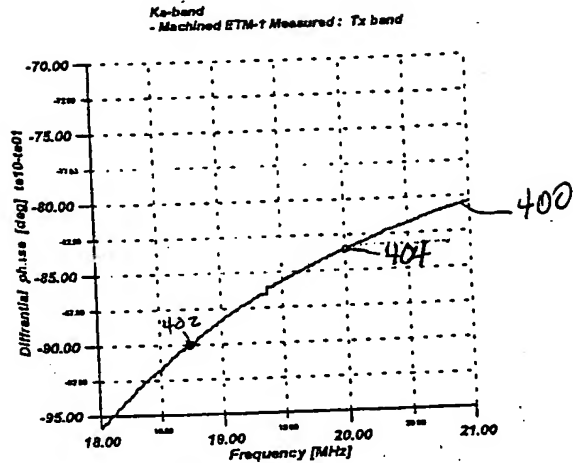


Fig. 4a

ETM-1 Measured RX Band(as built)

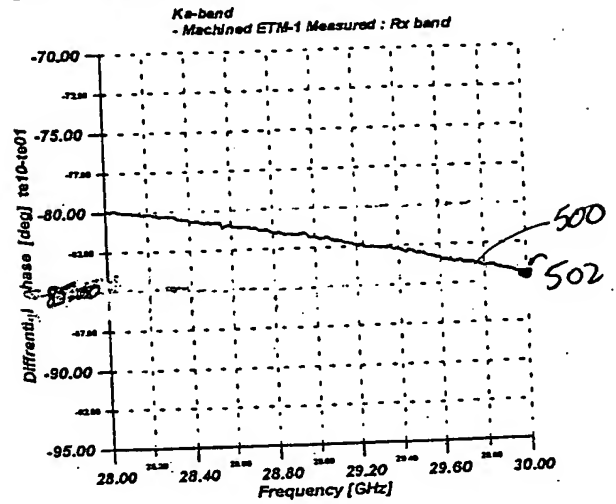


Fig. 5a

ETM-1 Measured with Phase trimming
Tx band

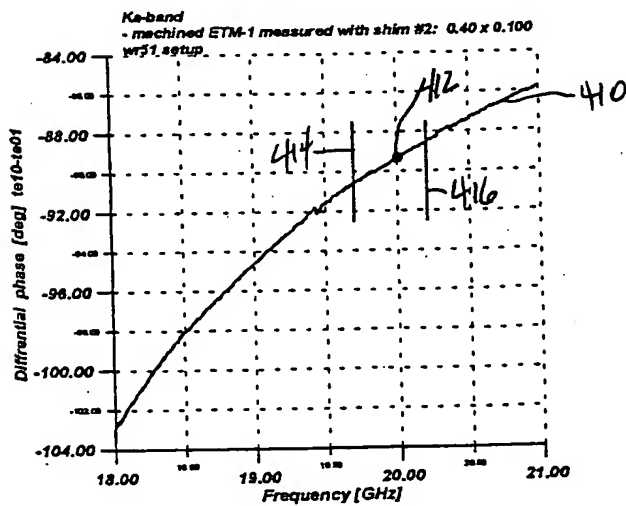


Fig. 4b

ETM-1 Measured with Phase trimming
Rx band

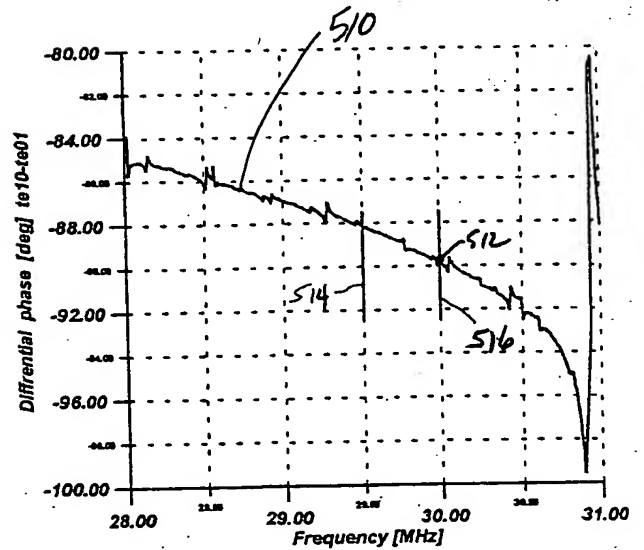


Fig. 5b

Predicted differential phase shift Vs
device dimensions - 2 Cases

Ka-band Corrugated Polarizer delta phase trimmer
0.400 x 0.4355 x .05 / 0.415 x 0.4355 x .050

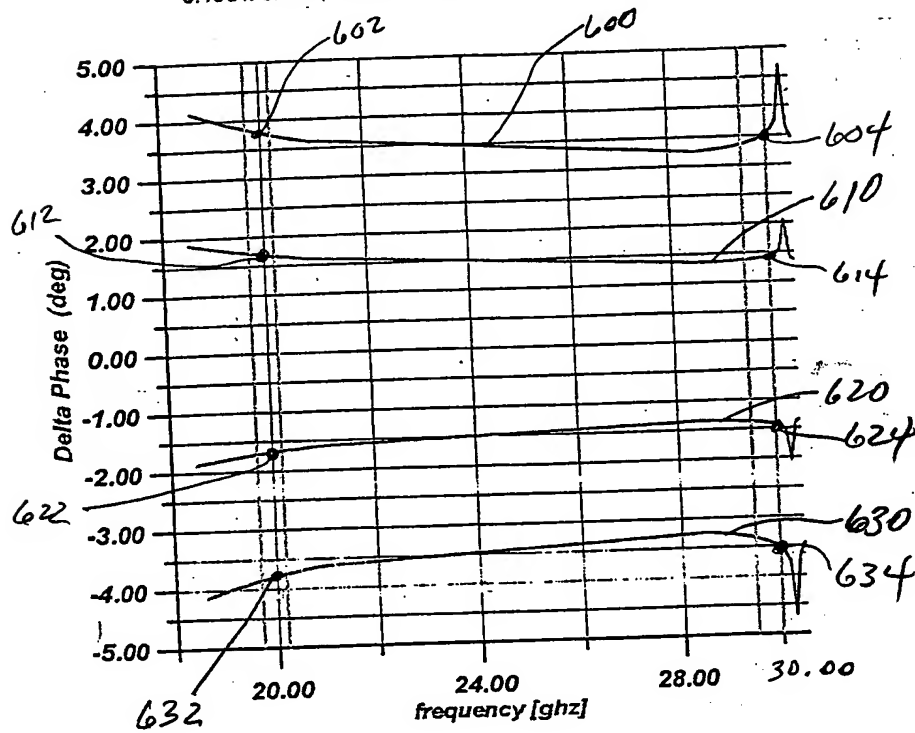


Fig. 6